

Abstract:

A method for connecting a plastic pipe to another plastic part, wherein an outer layer of the plastic pipe and an outer layer of the other plastic part are largely opaque to laser light, in which both the plastic pipe and the other plastic part are sheathed at the ends by an adaptor made of a plastic transmissive to laser light, and the adaptor is fastened by means of laser welding. In other embodiments, an adaptor of a material transmissive to laser light is molded together with another plastic part by a two-component injection-molding process, or the adaptor is molded and then overmolded to the other plastic part. This is followed by insertion of the pipe into the adaptor and fastening of the pipe to the adaptor by laser welding. The invention also relates to the composite parts produced according to this method.

I:\atty\Jdd\236706Revised25Sept03.doc